

Title (en)

WIRELESS INTERNET-ACCESSING MODULE, HOST, COMMUNICATION METHOD THEREOF, AND DATA CARD

Title (de)

MODUL FÜR DRAHTLOSEN INTERNETZUGANG, HOST, KOMMUNIKATIONSVERFAHREN DAFÜR UND DATENKARTE

Title (fr)

MODULE D'ACCÈS À INTERNET SANS FIL, HÔTE, PROCÉDÉ DE COMMUNICATION ET CARTE DE DONNÉES

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Application

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Abstract (en)

[origin: EP2563091A1] Embodiments of the present invention relate to wireless Internet access, a communication method for a host and a wireless Internet access module, and a data card, so that the host implements wireless Internet access with the wireless Internet access module of a secure digital interface. The method includes: simulating each port on a wireless Internet access processing function unit in a wireless Internet access module into a secure digital card partition and reporting the secure digital card partition to a host side; receiving downlink interaction information from the host side encapsulated in a secure digital card interface format, decapsulating the downlink interaction information encapsulated in the secure digital card interface format, and delivering the decapsulated downlink interaction information to a corresponding port; and receiving uplink interaction information reported to the host side from each port, encapsulating the received uplink interaction information in the secure digital card interface format, and sending the encapsulated uplink interaction information to the host side. The wireless Internet access module includes an adaptation unit, configured to implement communication between a host side and a wireless Internet access processing function unit. The data card has a form of a shape of a standard secure digital card or a micro secure digital card or a mini secure digital card, and includes a 9-pin secure digital card interface and the wireless Internet access module.

IPC 8 full level

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Citation (search report)

- [X1] US 2007073937 A1 20070329 - FEINBERG EUGENE [US], et al
- [A] WO 2008067432 A1 20080605 - SONY ERICSSON MOBILE COMM AB [SE], et al
- [A] SD GROUP: "SD Memory Card Specifications - Part 3 Security Specifications", 19 April 2001 (2001-04-19), XP055035159, Retrieved from the Internet <URL:ftp://115.156.218.112/Electronics_Data/Memory/SD/SD Card Specification 3 - Security.pdf> [retrieved on 20120809]
- [A] "SD MEMORY CARD SPECIFICATIONS. SIMPLIFIED VERSION OF: PART 1 PHYSICAL LAYER SPECIFICATION", INTERNET CITATION, 30 April 2001 (2001-04-30), XP002291858, Retrieved from the Internet <URL:http://www.sandisk.com/pdf/oems/SD_Physical_specs_v101.pdf> [retrieved on 20040810]
- See references of WO 2011131035A1

Cited by

US9351199B2

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